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Date: February 9, 2007

To: Ralph J. Gitomer  
Group Art Unit 1657Organization: U.S. Patent & Trademark Office  
Alexandria, Virginia

Fax: 571/273-8300

From: Brenda Brantley

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Total Pages: 10 (including cover sheet)

For Questions Call: 303/384-7572

Re: SN 10/511,929 - Michael Seibert et al.

**MAR 09 2007****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

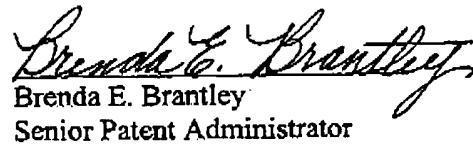
Inventor(s): Michael Seibert et al. )  
Serial No.: 10/511,929 ) Art Unit: 1657  
Filing Date: October 18, 2004 ) Examiner: Ralph J. Gitomer  
Title: Fluorescence Technique for On-Line )  
Monitoring of Sate of Hydrogen-Producing ) Atty Dkt No.: NREL 02-09  
Microorganisms )

**CERTIFICATE OF TRANSMISSION UNDER 37 CFR § 1.8**

I hereby certify that the following attached items:

- Amendment Under 37 CFR § 1.111 [8 pages]

is being facsimile transmitted to the United States Patent & Trademark Office on 9th day of March 2007.



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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicants:	Michael Seibert et al.	)	
		)	
Serial No.:	10/511,929	)	Group Art: 1657
		)	Examiner: Ralph J. Gitomer
Filing Date:	October 18, 2004	)	
		)	
Title:	Fluorescence Technique for On-Line Monitoring of State of Hydrogen-Producing Microorganisms	)	Atty. Dkt. No.: NREL 02-09
		)	

AMENDMENT UNDER 37 CFR §1.111

Commissioner for Patents  
U.S. Patent & Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In reply to the Office Action mailed December 15, 2006, which rejected the claims in the above-identified patent application, applicants respectfully request reconsideration based upon the amendments hereinafter set forth.